



**Better FTTx,  
Better Life.**

# FCST-FDR 9mm\*150m Fiberglass Duct Rodder

(With Wheel, With 1.0 mm Copper Wire)

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## Product Overview

FCST-FDR Fiberglass duct rodder is selected as a special tool for pulling electric cables and optical fiber cables in telecom, power industries, buildings and many other fields. The rod is made of fiberglass and high strength resin at high temperature, it is coated by high density polyethylene engineering plastic as its protected layer, which makes the duct rodder cover sliding on surface, durable, corrosion resistant and has good insulation performance, these make it safe for using in cable occupied duct. Along with pull head and handcart, it features easy to move and operate. The FRP push pull rod will be equipped with different size of reels in accordance with the length of the rod, there are wheels on the reel to make it convenient for moving, it is an ideal tool for laying cables.

## Product Advantages

- Inner Core is E-Glass Fiber.
- Fiberglass rod is lightweight and flexible.
- Rod material is FRPI import solid core material.
- There are kinds of colors and size for the rod to choose.
- Outer protect layer are made of high density polyethylene and import material.
- Used to install pulling ropes and winch ropes into ducts, ready for cable pulling operations.

## Product Specifications

Construction	Description
Product Name	FCST-FDR Fiberglass Duct Rodder
Rod Diameter (mm)	9mm
Rod Length (m)	150m
Frame Spec. (mm)	950*1000*480 (H*L*B)

## Material

Construction	Description
Fiber Glass Rod Inner	FRP
Fiber Glass Rod Outer	PP
Metal Frame	Steel with high-temperature sprayed plastic or hot dip galvanized

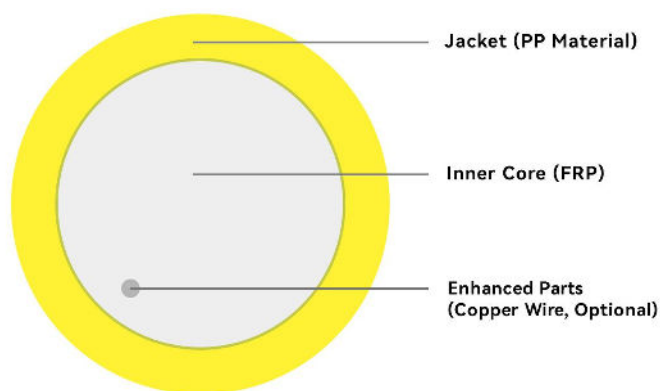
## Physical Property

Construction	Description
Fiber Glass Content	75-80%

## FCST-FDR 9MM\*150M FIBERGLASS DUCT RODDER

Density	> 1.9gr/cm <sup>3</sup>
Working Environment	-40°C to +80°C
Minimum Pulling Strength	4000N +/-5%
Consistency Of Rod	137gr/m
Flexural Modulus	> 46.500Mpa
Elongation At Break	2.5-3%

### Rod Specifications



#### Rod Sectional View

Construction	Description
Rod Dia.(mm)	9
Inner Core Dia.(mm)	7.0
Jacket Thickness (mm)	1.0
Bend Radius (mm)	160
Conduit Dia. (mm)	55~125
Max. Tensile Strength (KN)	16.48
Max. Bending Force (KN)	1.01

## Ordering Information


FCST-FDR Fiberglass Duct Rodder-

### Jacket Color

1	Yellow
2	Orange
3	Green
4	Red
...	Customized

## Accessories

### Standard Configuration

NO.	Name	Picture
1	traction head	

### Optional Configuration

NO.	Name	Picture
1	Cleaning Clamp	
2	Silver lead rod(wire size 7~14mm)	
3	Silver lead rod(wire size 3~6mm)	
4	Removable traction head (wire size :3~6、8~14、 15~16mm)	
5	Removable traction head (wire size :3~6、 8~14、 15~16mm)	

## Package Information



**Wooden Packing**



**Carton Packing**

## Related Products



**Fiber Blowing Machines**



**Micro Duct Connector**



**Telecom Manhole Chamber**

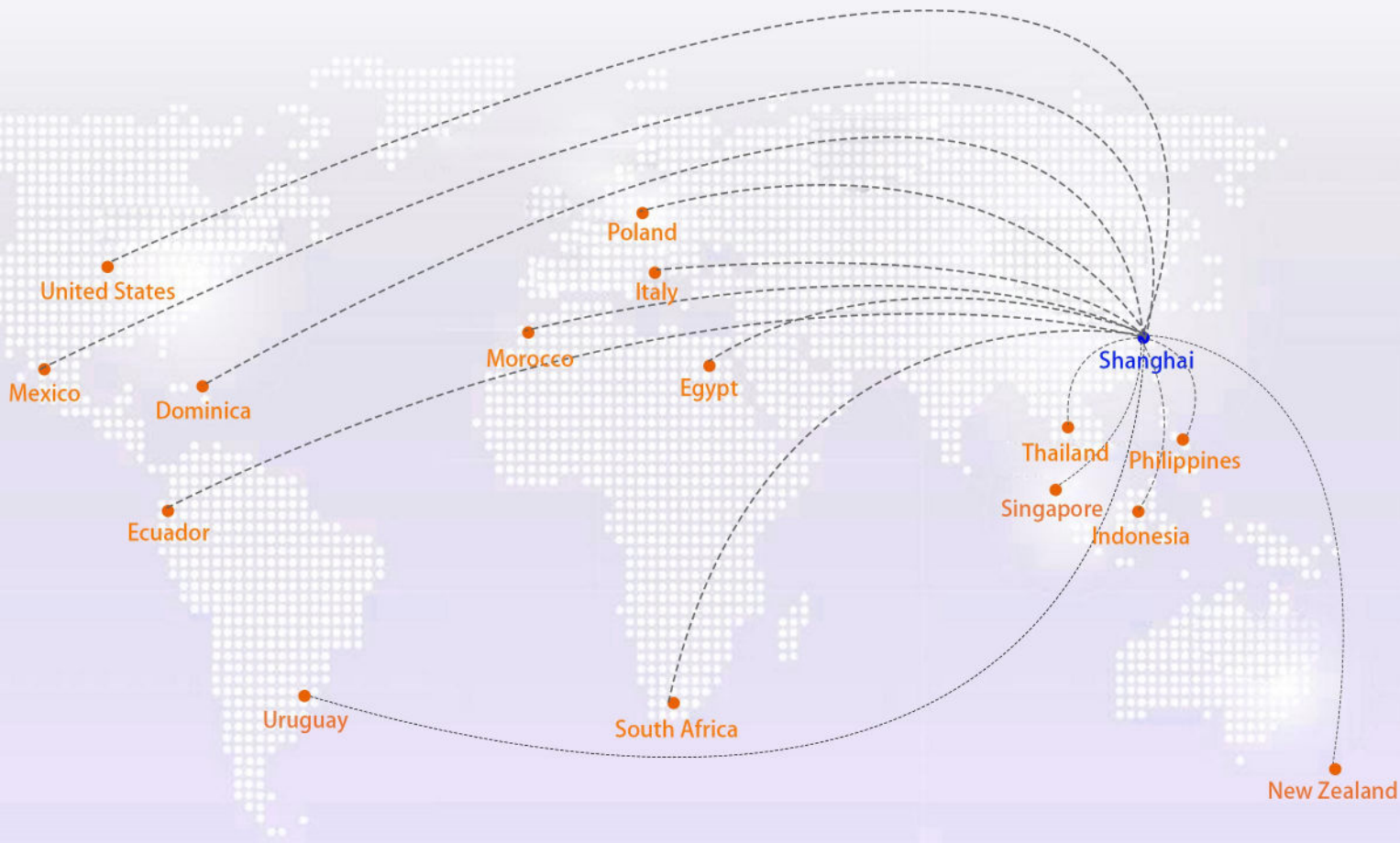


**Marker Ball**





# Fiber Cable Solution Technology Co.,Ltd.



## Overseas Agency

 [www.fcst.com](http://www.fcst.com)   [www.micro-duct.com](http://www.micro-duct.com)



FCST - Better FTTx, Better Life.

At FCST, we manufacture top-quality microduct connectors, microduct closure, telecom manhole chambers and fiber splice boxes since 2003. Our products boast superior resistance to failure, corrosion, and deposits, and are designed for high performance in extreme temperatures. We prioritize sustainability with mechanical couplers and long-lasting durability.

FCST aspires to a more connected world, believing everyone deserves access to high-speed broadband. We're dedicated to expanding globally, evolving our products, and tackling modern challenges with innovative solutions. As technology advances and connects billions more devices, FCST helps developing regions leapfrog outdated technologies with sustainable solutions, evolving from a small company to a global leader in future fiber cable needs.

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